MILL SUPPLY'S
SV15
STEPVAN REPLACEMENT
PARTS
YOUR COMPLETE SOURCE
FOR STEPVAN PARTS
1-800-888-5072
MILL SUPPLY, INC.
19801 MILES ROAD, CLEVELAND, OH 44128
MillSupply.com

New Products

Front Brake Line Kits from ABS Pump to Frame Pg. 34

Exhaust Manifolds Pg 42

Powder coated bumpers Pgs 2-4

Clutch & Transmission Parts Pg 37

6.2" Sirius Ready Touch Screen Stereo with back-up Camera Capabilities Pg. 189

Steering Column Components Pg 14

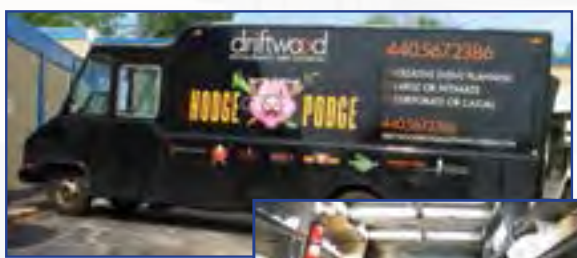
For some of the best Stepvan Creations check out our Customer's Van page - Here are just a few...

Top-of-the-line S.S. mobile kitchen!

Don't leave home without it! Everything you need for every job.

A 1962 Jeep Postal vehicle rare find, now 'The Real Estate Roller'

If you would like to be included in our on-line Customer's Van page, send a short story and pictures of your van to 'feature@millsupply.com'. Periodically we include a 'Truck of the Month' in our bimonthly flyer. These are some of our winners, your van could be the next.



From one of the best local chefs in Cleveland!

Look for our NEW Medium Duty Truck Parts catalog coming in the beginning of 2015. Many standard items are the same and can be found in this catalog like mirrors, lights, and roll-up door parts. The new catalog will include, exhaust parts, radiators, fuel tanks and brake parts for various Chevy, GMC, Ford, Freightliner, International, Isuzu NPR, UD, Mitsubishi, and Hino medium duty trucks.

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70 Years ago in 1944 Milbert "**Mill**" Moritz began selling paint and body shop supplies to local auto and truck repair shops. As the years passed and customer demands increased, Mill became a supplier for Stepvan parts by expanding his business to sell to fleets. Three generations later, Mill Supply has grown to be a leader in the Stepvan parts industry. With countless hours of R & D, we continue to provide a growing number of replacement parts and custom products to fulfill your parts needs. Some newer items added this past year include; bumpers, brake lines, fuel tanks, and exhaust components.

In keeping up with the times Mill Supply continues to expand its product line every day. Visit us at MillSupply.com to see the newest additions to our inventory as well as the most up-to-date prices and sales. After 70 years it is still our goal to provide you with quality parts at competitive pricing.

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Keep Updated at MillSupply.com

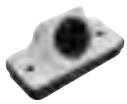
REAR CAMERA VIDEO SYSTEMS

WIRED REAR VIEW SYSTEM COMPONENTS

OEM on Utilimaster

5.6" Medium Duty Rear View LCD Monitor with 2 Camera Inputs

4" Monitor Mount



44-195

44-189

- 12 Volt power system
- NTSC video signal compatible
- Manual (pushbutton) or automatic (trigger) source selection
- Turn-signal compatible trigger inputs (AV2, AV3)
- Auto power on (standby)
- Day/Night brightness modes
- On Screen Display (OSD) for AV source, picture & volume
- Non-volatile memory for picture and volume adjustment settings
- Anti-glare/Anti-scratch protective lens
- Overall Dimensions: 5-7/8"W x 5-1/4"H x 1-1/4"D

44-161 - LCD 5.6" Video Monitor
44-163 - 4" Monitor Mount
44-189 - Voyager CCD IR LED color camera.
44-195 - Voyager CMOS IR LED color camera.
44-125 - 25 ft video cable
44-134 - 35 ft video cable

WIRED REAR VIEW CAMERA SYSTEM

14-350

Installing a rear view camera is a great way to see the area directly behind your stepvan. This rear camera video system incorporates a 7" flat screen LCD color monitor with a CCD camera (converts light into a digital signal). A second camera can be installed and toggled between the two with the remote control switch provided. Incorporates a shroud to reduce sun glare. The mount used for the LCD monitor is designed to form fit any dash. A 20ft cable with 4-pin lock connectors is provided to link camera to screen.

Camera Features:

High-Resolution Color Camera with 120 degree view angle lens with CCD technology that automatically adjusts to light conditions. (Approx. 15' of viewing at night with backup/reverse light on). Compact, Lightweight, Waterproof, Aluminum Die-Cast Housing. Adjustable Mounting Bracket with adjustable shroud. Dim: 2-1/2"D x 3"W x 3-1/4"H.

Monitor Features:

Flat screen 7" LCD Monitor (3.5"H x 6"W screen). Includes: 2 way Video Inputs, PAL & NTSC auto-switching, 12-24 VDC; Mounting Bracket with flexible base, Remote Control, OSD Menu, Sunvisor Shroud. Contrast, color, brightness adjustable.

WIRELESS REAR VIEW CAMERA SYSTEM

- High Resolution 7" LCD Color Monitor with 2.4 GHz wireless receiver
- Picture can be adjusted for Horizontal, Vertical, Mirror or Normal viewing
- Automatic back lighting for buttons
- Full function remote control
- Multiple video formats: PAL/AUTO/NTSC
- Up to 1 wired & 4 wireless camera inputs, 1 video & audio output
- Supports 12 or 24 volt, 10-32 VDC
- On board speaker
- Automatically will switche to back-up, left, right or front camera
- Overall Monitor Dimensions: 7"W x 4-3/4"H x 1-1/2"D

44-630

Wireless camera system includes: monitor with two style of mounts, camera, power wiring harness.

BACK-UP ALARMS

97 DECIBEL BACK ALARM

87-005 Rated at 97 decibels this back alarm gives a clear warning to all who are behind a vehicle. Can be mounted on any flat vertical or horizontal surface. Install with back-up light negative ground or with separate switch. Installation instructions included.

4" W x 1-9/16" D x 2-1/2" H

2-Year Warranty

87-112 DECIBEL SELF-ADJUSTING ALARM

BA-1040 - Self-Adjusting Back Alarm. Adjusts itself from 87 to 112 decibels depending on the outside noise levels. When conditions are noisy outside, the back alarm will increase in volume.

5" W x 3-3/4" D x 3" H

4" ROUND BACK ALARMS

87-026 - Solid state 4" round back alarm is resistant to elements and fits into a 4" grommet. DOT law only requires one back-up lamp. Rated at 97 decibels. Easy to wire.

94993 - Pigtail
40700 - Grommet

Remove One Back-Up Lamp and Replace it with this 97 Decibel Back Alarm

Grommet Not Included – Use Grommet from Back-Up Lamp or order Separately

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STEREOS & STEREO SYSTEMS

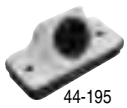
44-500 - JENSEN TOUCHSCREEN STEREO SYSTEM WITH REAR VIEW CAMERA CAPABILITIES

OEM on Morgan Olson - Popular on UniFirst

44-500 - To stay on the cutting edge of technology, the Jensen touchscreen offers more than the standard AM/FM radio and CD player. This 6.2" touchscreen stereo has an impressive list of features; USB/AUX inputs, three camera inputs, NOAA weatherband, full iPod/iPhone control and charging along with being Sirius Gen 3.0 satellite radio ready. Cameras and cables sold separately.

2.0 DIN Chassis, Uses Dash Opening: 7.25"W x 4.375"H

44-189


44-195

44-189 - Voyager CCD IR LED color camera.
44-195 - Voyager CMOS IR LED color camera.
44-125 - 25 ft video cable
44-134 - 35 ft video cable

44-950 - AM/FM/CD STEREO SYSTEM

with 2 Wedge Speakers and Antenna

Kit includes 44-300 Jensen Stereo, 44-140 Speaker Set & 44-175 Antenna

44-950 ... AM/FM/CD Stereo w/ antenna & speakers
44-300 ..... AM/FM/CD Jensen Stereo
44-175 ..... Antenna (mounts top or side)
44-140 ..... 60 Watt, 5" Wedge Speakers (Pair)
We recommend ordering another set of speakers (44-140) for better sound. (Wire not included, order 50-025)

44-300 Jensen AM/FM/CD Stereo Features:
- 4x40W Output power
- Euro-DIN (sleeve-mount)
- Amber LED illumination
- Electronic AM/FM tuner
- Station presets (18FM, 12AM)
- Auto-Store (AS)
- Preset Scan (PS)
- Single CD player
- 40 Second Electronic Skip Protection
- CD Track Pause/ Repeat/ Intro and Random play features
- Preset Equalizer
- Aux 3.5mm Front jack
- Clock
- Dim: 7"W x 7"D x 2"

44-910 - AM/FM/MPX STEREO SYSTEM

with 2 Wedge Speakers and Antenna

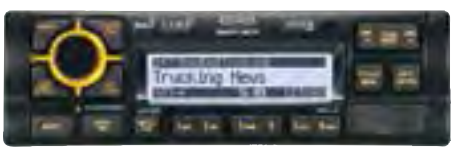
Kit includes 44-100 Pyle Stereo, 44-140 Speaker Set & 44-175 Antenna

44-910 ... AM/FM/MPX Stereo w/ antenna & speakers
This unit does not have a CD player
44-100 ..... AM/FM/MPX Stereo only
44-175 ..... Antenna (mounts top or side)
44-140 ..... 60 Watt, 5" Wedge Speakers (Pair)

Pictures are representations of the units we carry. Appearances are subject to change, however function features and quality will not change.

44-100 AM/FM-MPX MP3 Radio w/USB/SD Card Features:
- Built-In USB/ SD/ MMC MP3 Player (2 Gig Max)
- Volume/ Balance/ Tone
- 1.2 Volt RCA Line Out
- 2 Channel Output 80W x 2
- Dim: 7.25"Wx 6"D x 2"
- Warranty 1 Year

JHD1620 - JENSEN H-D SIRIUS READY STEREO



JHD1620 .....Jensen AM/FM/AUX Heavy Duty Sirius Ready Stereo
SCC1BL ..... Sirius tuner used with JHD1620
PP801647 ..... Sirius vehicle antenna

SCC1BL

PP801647

Heavy Duty AM/FM/AUX/WB/ & SIRIUS Satellite Ready Stereo Features:
- NOAA Weatherband & Alert
- SIRIUS Satellite Radio Ready (Requires SIRIUS Tuner & Antenna)
- Electronic AM/FM Tuner with Aux
- 4-channel 180 watt (4x45W)
- Front and rear aux-in, plus Pre-Amp Line-out
- White LED backlighting
- Amber backlit panel buttons
- Up to 30-day memory when battery is disconnected
- Low battery alert
- Protected front panel from dirt & grime through push-button gaps
- Dim: 7-1/2"W x 2-1/4"H

44-980 CEILING MOUNTED STEREO SYSTEM

This is a OE Replacement in Utilimaster. For speakers use a pair of our 44-140 speakers.

44-980 - Ceiling Mount AM/FM Jensen Stereo with CD player in poly surround box to mount on the ceiling or under the dash. Overall Housing Dimensions: 8.75" W x 8.75" D x 3.5" H. with a .75" mounting flange on three sides. Unit features our Jensen 44-300 AM/FM/CD Digital Audio Compact Stereo (featured top left). Does not include antenna or speakers.
44-175 ..... Antenna (mounts top or side)
44-140 ..... 60 Watt, 5" Wedge Speakers (Pair)

STEREO ACCESSORIES

44-140 - One pair of 5" Dual Cone speakers, 60 watt, 4 ohm. Mounted in plastic wedge shaped box. We recommend 4 speakers for best sound. Dim: 6.69"x 4-76"x 4.43"ea. OE in Utilimaster

44129 - 4" Speaker with tweeter and Grille, 30 Watt Max, 4 ohm, sold each. OE in Utilimasters

44-132 6.5" Coaxial Weatherproof Speaker, OE in Morgan Olson

50-050 - 50 ft. Speaker cable,18 ga.

44-175 - Antenna, mounts top or side.

8-1/2" x 8" x 3
50-104 - Below Dash or Overhead Mount Stereo Box. Designed with cut-outs for all 1.0 DIN stereos.

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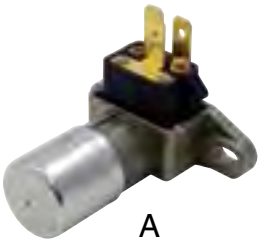
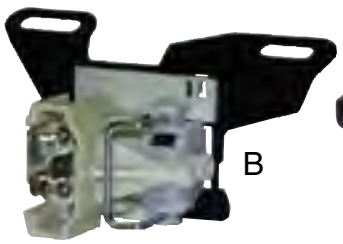
SWITCHES that fit GM & WORKHORSE P-CHASSIS

HEADLIGHT & DIMMER SWITCHES


A

AA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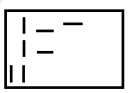
CC

C


PIN CONFIG.

C2

PIN CONFIG.

D

E

EE

F

Loc	Part No.	Description
A	**36-915**	Headlight Dimmer, ‘75-’90, Floor Mounted
AA	**43-613**	Pigtail for 36-915
B	**36-917**	Headlight Dimmer, ‘91-on, Column Mtd.
BB	**43-612**	Pigtail for 36-917
BBB	**43-552**	Pigtail for 36-917. Locks in place, 4 wire,1 not used
C	**36-919**	Headlight Switch, ‘71-’96, Push-Pull Style
CC	**43-524**	Pigtail for 36-919
C2	**36-920**	Headlight Switch, Fits ‘75-’96 Chevrolet
CC	**43-524**	Pigtail for 36-920
D	**36-918**	Instrument Panel Dimmer, ‘92-on, Rotary Dial
E	**36-921**	Headlight Switch, ‘91-on, Rocker Style
EE	**43-526**	Pigtail for 36-921
F	**36-927**	Switch Plate for 36-918 & 36-921

IGNITION SWITCHES & CYLINDERS

G

H

J

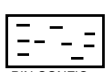
JJ

VISIT US ONLINE FOR MORE DETAILED ILLUSTRATIONS!

K

L

M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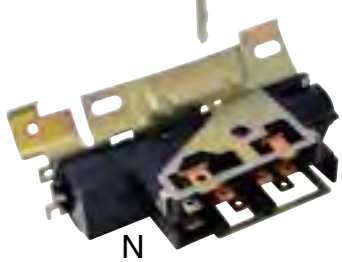
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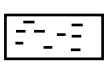
PIN CONFIG.

MN

Loc	Part No.	Description
G	**36-937**	Ignition Switch Lock Cylinder and Keys, ‘75-on, Dash Mounted
H	**36-890**	Recessed Key Bezel, Dash Mounted
J	**36-930**	Ignition Switch, ‘75-on, Dash Mounted, Tilt and No Tilt
JJ	**43-531**	Pigtail for 36-930
K	**36-940**	Ignition Switch Lock Cylinder and Keys, black finish, ‘75-on, Column Mounted
L	**36-939**	Ignition Switch Lock Cylinder and Keys, chrome plated ‘75-on, Column Mounted
M	**36-933**	Ignition Switch, ‘88-’90 w/o tilt, Column Mounted
MN	**43-618**	2 Piece Repair Harness Kit with 8 leads that fits 36-933 & 36-935
N	**36-935**	Ignition Switch, ‘91-on with tilt, Column Mounted
MN	**43-618**	2 Piece Repair Harness Kit with 8 leads that fits 36-933 & 36-935

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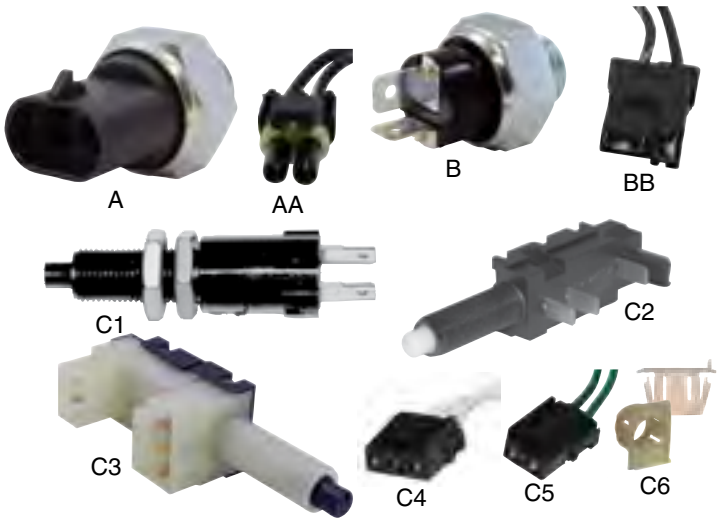
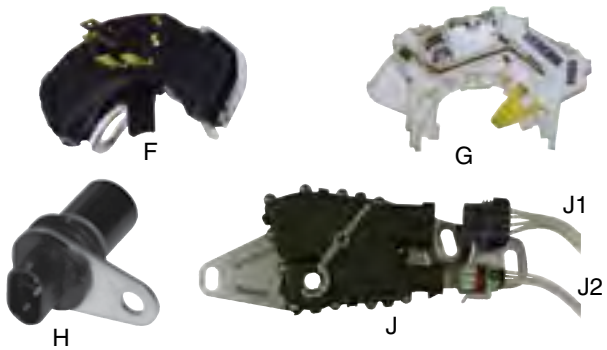
SWITCHES that fit GM & WORKHORSE P-CHASSIS

BACK UP LIGHT SWITCHES



Loc	Part No.	Description
A	**36-911**	Back Up Light Switch, '81-'96, Manual Trans. 9/16-18 UNF thread
AA	**AV-19882**	Pigtail for 36-911
B	**36-913**	Back Up Light Switch, '75-'80 Manual Trans. '79-'80 Automatic Trans; 9/16-18 UNF thread
BB	**AV-19660**	Pigtail for 36-913
C1	**36-948**	Stop Light Switch
C2	**36-932**	Stop Light Switch
C3	**36-944**	Stop Light Switch, '93-on
C4	**43-619**	3 Plug Adaptor for 36-944
C5	**43-620**	2 Plug Adaptor for 36-944
C6	**10-898**	Switch Retainer, for 36-932, 36-944, 2 pcs

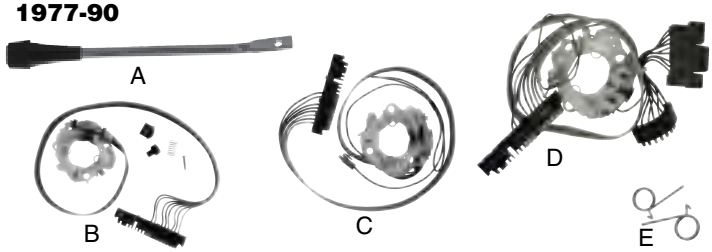
NEUTRAL SAFETY SWITCHES



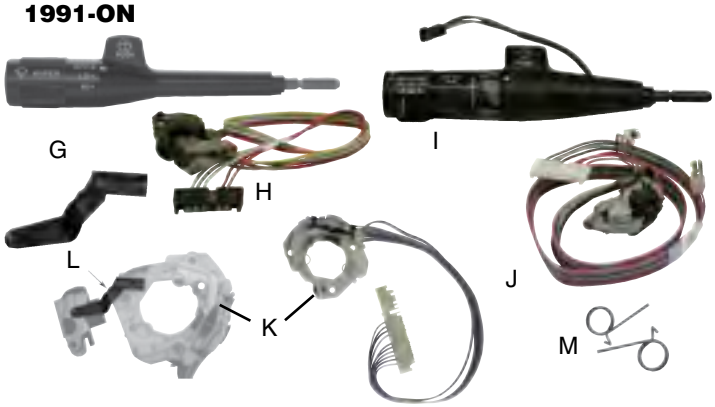
Loc	Part No.	Description
F	**36-923**	Neutral Safety Switch, '77-'91, Column Mounted, Automatic trans.
G	**36-925**	Neutral Safety Switch, '92-'96, Column Mounted, Automatic trans.
H	**SC-86**	Speed Sensor, 6.5 Diesel
J	**36-926**	Neutral Safety Switch, '97-on, Mounted on Automatic trans. Repl:15705308
J1	**43-615**	Repair Harness for 36-926. Has 7 - 8" leads Replaces 15305887 & PT1031
J2	**43-617**	Repair Harness for 36-926. Has 4 - 8" leads Replaces 15305925 & PT1184

TURN SIGNAL, WIPER SWITCHES & CANCEL CAMS (HORN CONTACT)

1977-90



1991-ON



1977-90 GM P-Chassis Turn Signal Switches

A	**49-321**	Turn signal lever, 1973-90 with floor shift without tilt wheel
B	**36-941**	Turn Signal Switch 1977-80 w/o tilt
C	**36-943**	Turn Signal Switch 1982-85
D	**36-945**	Turn Signal Switch 1986-90
E	**36-901**	Turn Signal Return Spring, one pair of L & R

1991-ON GM P-Chassis Turn/Wiper Switches

G	**49-314**	Turn Signal Stalk, Used with 49-309
H	**49-309**	Wiper Switch Assy, 2-Speed, No Delay, No Cruise, 1991-05 GM/Workhorse, Mounts on column
I	**49-317**	Turn Signal Stalk, Used with 49-356 has external wire to connect to cruise module
J	**49-356**	Wiper Switch Assy, 2-Speed, with Cruise and with Delay
K	**36-952**	Turn Signal Switch, '91-on
L	**49-325**	Actuator to operate turn signal switch. Mounts between wiper switch 49-309 & turn switch 36-952
M	**36-901**	Turn Signal Return Spring, one pair of L & R

Cancel Cams (Horn Contact)

P	**36-903**	Turn Signal Cancel Cam Tilt Wheel, White
Q	**36-906**	Turn Signal Cancel Cam, Without Tilt Wheel, Green (use with HN-9)
R	**HN-9**	Horn Contact Spring 3 Piece Set
S	**36-924**	Momentary push button horn or siren switch
T	**87-040**	Horn, 12 volt, High note
T	**87-043**	Horn, 12 volt, Low note

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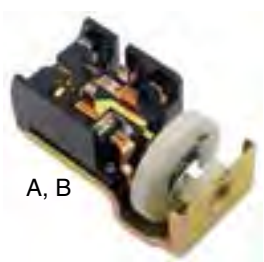
SWITCHES that fit FORD CHASSIS

HEADLIGHT & DIMMER SWITCHES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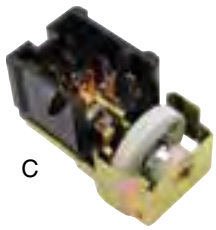
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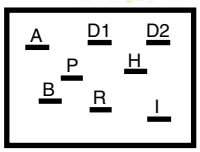

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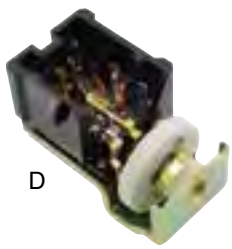
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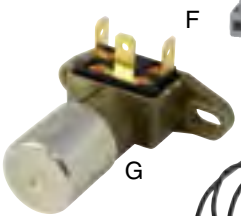
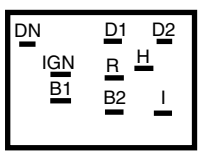

G

H



PIN CONFIG. FOR C, D, E

Loc	Part No.	Description
A	**36-963**	Headlight Switch, '78-'83 E-350
B	**36-971**	Headlight Switch, '84-'86 E-350
C	**36-962**	Headlight Switch, P-600
D	**36-950**	Headlight Switch, '87-'90
		Fits E-350, Push-Pull Style
E	**36-951**	Headlight Switch, '91-'96
		Fits E-350, Push-Pull Style
F	**43-538**	Pigtail for 36-962, 36-950, 36-951
G	**36-966**	Headlight Dimmer Switch
		Floor Mounted
H	**43-540**	Pigtail for 36-966

TURN SIGNAL SWITCH

J

36-954 .....Turn Signal Switch, E-350 Chassis

NEUTRAL SAFETY SWITCH

A

A2

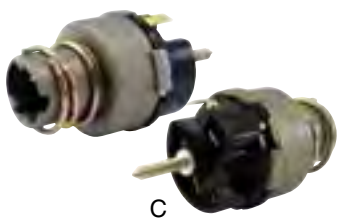
Loc	Part No.	Description
A	**36-928**	Neutral Safety Switch, auto trans, fits 97-03
		E-450 and Utilimaster with Ford Chassis
A2	**43-621**	Repair Harness for 36-928, 12 leads 8" long

MOMENTARY SWITCH

B

36-967 .....Momentary Switch, for liftgate or bulkhead door

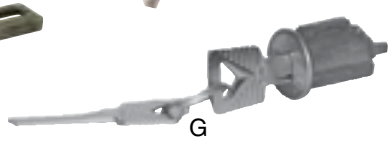
IGNITION SWITCHES & CYLINDERS


C

D

EE

E


G

F

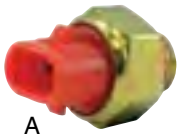
H

Loc	Part No.	Description
C	**36-972**	Ignition Switch, '77-'79 P-600,
		without cylinder and Key
D	**36-957**	Ignition Cylinder and Key,'78-'79 E-350
E	**36-961**	Ignition Switch, '80-'91 E-350
		without cylinder and key
EE	**43-541**	Pigtail for 36-961
F	**36-958**	Ignition Switch, '78-'79, E-350
		without cylinder and key
G	**36-956**	Lock Cylinder and Keys, P-600
H	**36-960**	Ignition Cylinder and Key, '80-'82 E-350

All manufacturers' names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.

SWITCHES that fit FORD CHASSIS

BACK-UP SWITCHES


A

A2

Loc	Part No.	Description
A	**36-968**	Back Up Switch, 2-Pin Connection
A2	**43-528**	Pigtail for 36-968

BRAKE LIGHT SWITCHES

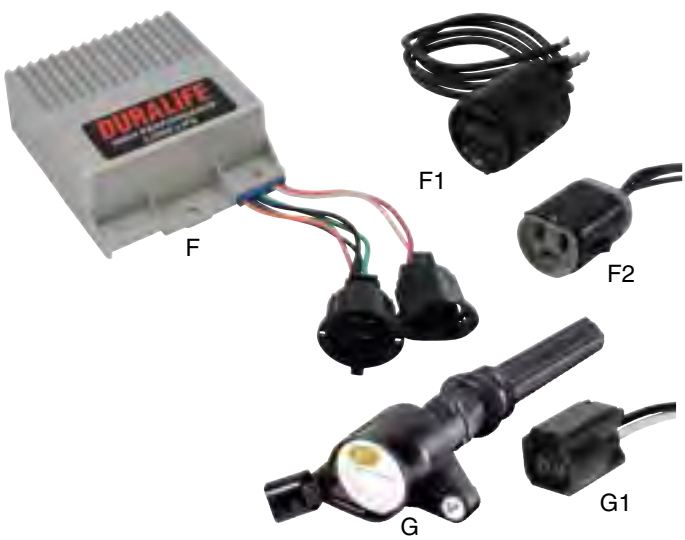
C

D

E

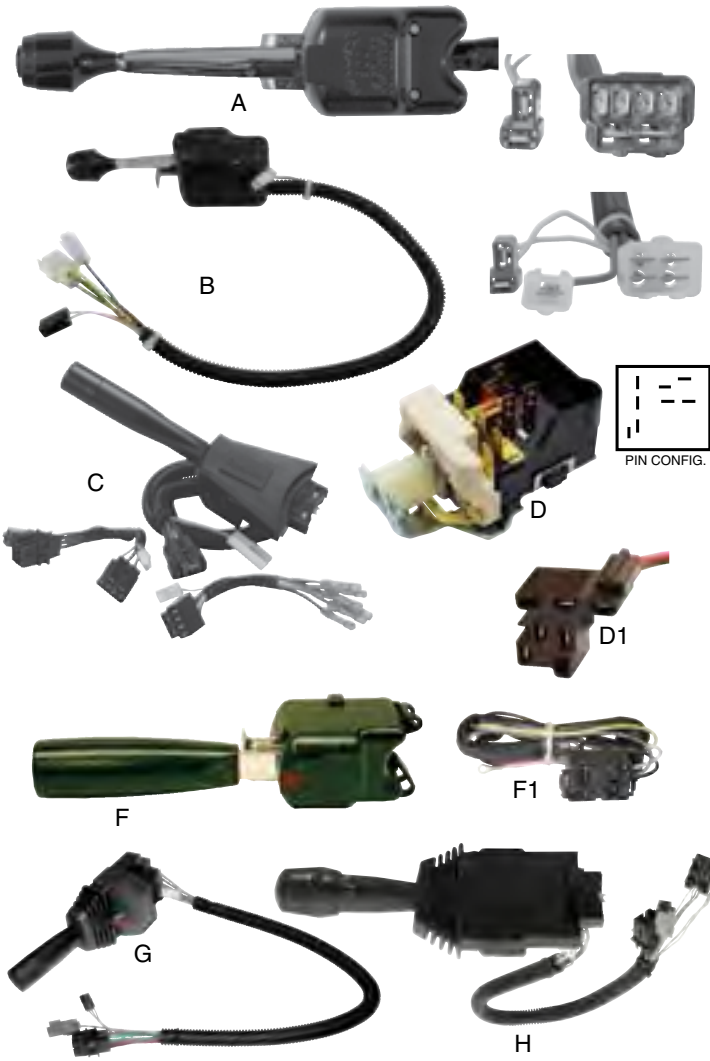
Loc	Part No.	Description
C	**36-964**	Brake Light Switch
		Terminals on back of switch
D	**36-965**	Brake Light Switch,
		Terminals on side of switch
E	**36-970**	Brake Light Switch,
		Hydraulic, P600 Chassis

CONTROL MODULE & IGNITION COIL



Loc	Part No.	Description
F	**36-973**	Electronic Control Module
F1	**43-536**	Pigtail for 36-973 ▶ Both are used
F2	**43-537**	Pigtail for 36-973
G	**87-400**	Spark Plug Ignition Coil, Fits 5.4L Ford, '97-'05
G1	**43-624**	Repair Harness for 87-400

SWITCHES that fit INTERNATIONAL / NAVISTAR



Loc	Part No.	Description
A	**36-942**	Turn Signal and Dimmer Switch
		(replaces Navistar #1616317C91)
B	**36-953**	Turn Signal & Dimmer Switch w/4 male spade plug
		connector, Popular on Fedex Ground trucks
C	**36-938**	Self-Canceling Turn Signal Switch w/Harness
		(replaces Navistar #2034257C91 & 1697207C91)
D	**36-920**	Headlight Switch
		(replaces International #3934421C1)
D1	**43-524**	Pigtail for 36-920
F	**36-947**	Turn Signal Switch
F1	**36-946**	Harness for Turn Signal Switch 36-947
G	**36-977**	Self-Canceling Turn Signal and Dimmer Switch
		with wire harness
H	**36-976**	Self-Canceling Turn Signal with: Intermittent
		Wiper Switch (5 speed intermittent w/low/high),
		Dimmer Switch, & wire harness with 4 plugs

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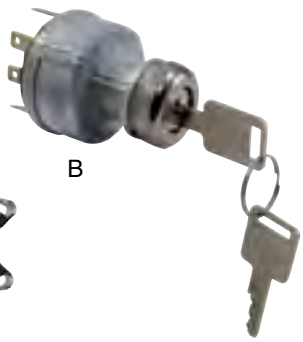
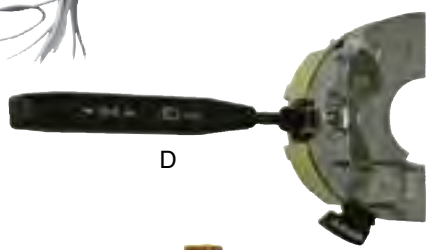
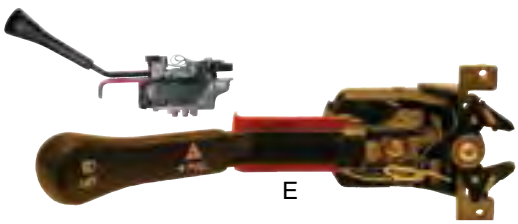
SWITCHES that fit FREIGHTLINER & OSHKOSH

A

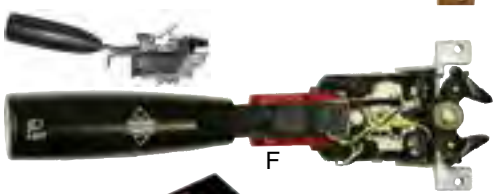

B

C


D

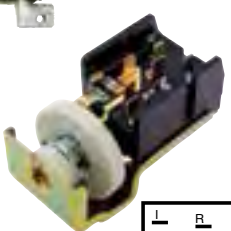

E

plug end view for 36-974 & 36-975

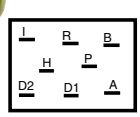

F

G

G1


H

PIN CONFIG.



PIN CONFIG.

Loc	Part No.	Description
A	**36-948**	Stop Light Switch, replaces Freightliner
B	**36-934**	Ignition Switch with cylinder and key replaces Freightliner
C	**36-949**	Turn Signal Switch, Exact replacement for Nartron switch w/correct plug. Replaces Oshkosh Chassis switch
D	**36-979**	Turn Signal Switch with dimmer, fits Freightliner 1996-97
E	**36-974**	Integral Turn Signal Switch, replaces Freightliner MT
F	**36-975**	Integral Turn Signal Switch, replaces Freightliner
G	**36-920**	Headlight Switch, '75-'96, replaces Freightliner
G1	**43-524**	Pigtail for 36-920
H	**36-922**	Headlight Switch replaces Freightliner

SWITCHES that fit UTILIMASTER & MORGAN OLSON

J

J,K

L

M N

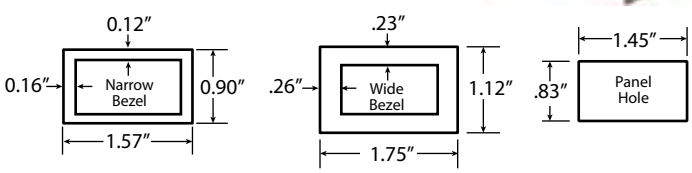
K

O CARGO DOME SWITCDH WITH ACTUATOR

Loc	Part No.	Description
J	**36-905**	Fan Switch, w/o Actuator. Popular on Grumman/Morgan Olson and Utilimaster
J	**36-907....**	Dome Lamp Switch, 3-Way, w/o Actuator
J	**36-907....**	Lift Gate Switch, 3-Way, w/o Actuator
K	**36-900**	Dome Lamp Switch, Standard, w/o Actuator Popular on Grumman/Morgan Olson and Utilimaster
L	**36-908**	Switch Actuator (No imprint)
M	**36-909**	Switch Actuator Imprint 'LIFT GATE'
N	**36-910**	Switch Box
O	**36-902**	Cargo Dome Switch with Actuator

SNAP-IN ROCKER SWITCHES

- Plastic housing & actuator
- Nickel plated bezel
- Plated steel bracket
- Fits .040"-.100"thick
- Silver contacts



SINGLE POLE - SINGLE THROW

Narrow Bezel	Up	Down	Terminals	Actuator Color	Light Color
CH-57000-01	On	Off	2 blade	White	None
CH-57000-04	On	Off	2 blade	Black	None
has Black Bezel					
CH57000-10	On	Off	2 blade	Black	None
has Black Bezel, imprinted ON - OFF					
CH-56300-10	On	Off	3 screw	White	Green
CH-57300-01	On	Off	3 blade	White	Red
CH-57300-03	On	Off	3 blade	Black	Red
Wide Bezel					
CH-57000-02	On	Off	2 blade	White	None
CH-57300-02	On	Off	3 blade	White	Red
CH-57300-10	On	Off	3 blade	Black	Red

SINGLE POLE - DOUBLE THROW

Wide Bezel	Up	Center	Down	Terminals	Actuator Color
99-948	On	Off	On	3 blade	White

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TOGGLE SWITCHES

Visit us online for more detailed illustrations!

- Plastic housing with plated steel cap
- Stem and mounting hardware are nickel plated brass
- Nickel plated brass handles, standard or long type
- Mounting stem 15/32" -32 thread 15/32" long with keyway
- Fits panels up thru 1/4" thick, except where noted
- Silver contacts for dependable electrical operation

CH-5582

CH-55014
CH-55014-05

CH-5520

49-302

CH-5582-10

CH-55055-01

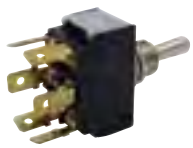
CH-55020

CH-5584

CH-55015
53-643

CH-55021-04

CH-55021-07


CH-55019
CH-55065-03

CH-55057

CH-55081

Screw Terminals	Blade Terminals	Wire Leads 16 ga., 8" long	Up Position	Center Position	Down Position*	Number of Terminals**	Handle	Features
SINGLE POLE - SINGLE THROW								
CH-5582	**CH-55014**		On		Off	2	Std.	
CH-5520	**CH-55014-05**		On		Off	2	Std.	1
	49-302 (no O-ring)	**CH-5582-10+**	On		Off	2	Std.	1-2
CH-55055-01+	**CH-55055+**		On		Off	2	Long	
SINGLE POLE - SINGLE THROW — MOMENTARY								
CH-55020	**CH-55037**		Off	Mom.On		2	Std.	3
SINGLE POLE - DOUBLE THROW								
CH-5584	**CH-55015**		On		On	3	Std.	
	53-643		On	Off	On	3	Std.	
SINGLE POLE - DOUBLE THROW — MOMENTARY								
CH-55088			On	Off	Mom. On	3	Std.	2
	CH-55033-01		Mom. On	Off	Mom. On	3	Std.	
CH-55021-08			Mom. On	Off	Mom. On	3	Long	
		CH-55021-07+	Mom. On	Off	Mom. On	3	Std.	1-2
CH-55021-04			Mom. On	Off	Mom. On	3	Std.	1
DOUBLE POLE - DOUBLE THROW								
CH-5590	**CH-55018**		On		On	6	Std.	
	CH-55018-01		On		On	4	Std.	3
CH-5592	**CH-55019**		On	Off	On	6	Std.	
	CH-55057		On	Off	On	6	Long	
DOUBLE POLE - DOUBLE THROW — MOMENTARY								
CH-55081			Mom. On	Off	On	6	Std.	
CH-55054	**CH-55065-03**		Mom. On	Off	Mom. On	6	Std.	
CH-55054-04	**CH-55065-02**		Mom. On	Off	Mom. On	6	Long	
	CH-55046		Mom. On	Off	Mom. On	4	Std.	3
	CH-55046-04		Mom. On	Off	Mom. On	4	Long	3

ACCESSORIES

CH-81255
Allows for toggle handle to protrude. Accommodates all handle lengths.

CH-81264
Covers entire toggle handle. Fits standard handles up to 11/16" long.

KEY CHART

* Keyway in stem located at this point.
* * See terminal specifications.
\+ Mounting stem 11/32" long. Fits panels thru 3/16" thick.

FEATURES:

1.) "O" ring seal in stem.
2.) Plasticized.
3.) Switch has motor (polarity) reversing circuitry.

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PIGTAILS & REPAIR HARNESSES

G-377-X
194 Bulb Pigtail

43-528
2-Plug Pigtail.
Fits 36-968
Pg. 193

43-535 Fuel Injector Connector for TBI Systems, Fits GM 1978-on

AV-19882 Back-up light switch Pigtail. Fits 36-911 & GM. Pg. 191

43-624 2 Plug Replacement Harness w/6" wire leads. Used with Ignition coil 87-400 Pg. 193

43-620 2 Plug Adaptor w/6" wire leads.
Fits 36-944 Pg. 191

43-629 Pigtail Harness / ATC Fuse Holder. Used on heater motor 51-143 on SCS/ Frigette heater. Pg. 139

AV-19660 Pigtail that fits GM back up light and our 36-913, also washer pump numbers 49-904, 49-907 & 49-910. Pgs, 157, 191

43-613 Dimmer Switch Pigtail used on 36-915. Pg. 190

43-619 3-Plug Adaptor. Fits 36-944. Pg. 191

43-612 Accessory Relay Pigtail. Fits Ford and 36-917. Pg. 190

43-540 Headlight Dimmer Switch Pigtail. Fits Ford and 36-966. Pg. 192

43-517 Resistor Assembly Pigtail Fits 51-520,51-523 & 51-525. Pg. 147

43-519 Flasher and High Low Beam Pigtail

43-522 Fan Switch Pigtail. Fits Switches 53-627, 53-637. Pg. 144

43-556 Headlight Plug and Harness Assy. Fits 9004 & 9007 bulbs. Pg. 169

43-525 Resistor Assembly Pigtail, replaces International

43-614 Fuel Pump Relay Assembly Harness Connector Fits Ford Relay E3FZ-9345-B Gas Engine, 83 - on, not supplied by OEM

43-617 Repair Harness for 36-926 (pg. 191) Neutral Safety Switch. Has 4 - 8" leads. Replaces 15305925 & PT1184.

43-552 Repair Harness for 36-917 (pg. 134) Headlight Dimmer Switch. Has 4 leads.

43-545 Plug for 5 prong switches 53-647, 53-639, 53-649. Pg. 144

43-610 A/C Blower Motor Resistor Assembly Harness Connector. Fits 51-527 Pg. 147

43-511 Ignition Switch Pigtail

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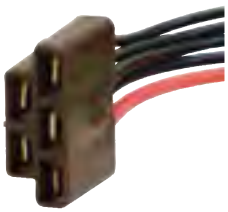
PIGTAILS & REPAIR HARNESSES



43-515 Heater Blower Switch Pigtail, Replaces Ford, Mack, IH, & Kenworth Trucks

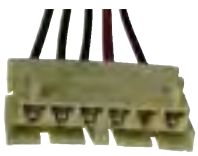
43-521 Universal Rocker and Toggle Switch Pigtail

43-523 Headlight Switch Pigtail. Fits International

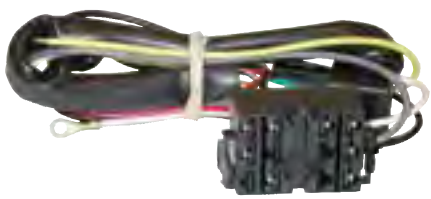
43-524 Headlight Switch Pigtail, replaces GM. Fits 36-919 & 36-920. Pg. 190

43-531 Ignition Switch Pigtail. Replaces GM# D1406A/12356033. Fits 36-930. Pg. 190

43-538 Pigtail for Headlight Switch. Replaces '87-91 Ford Trucks E7TZ-11654-C Also fits 36950, 36951, 36962. Pg. 192



43-526 Headlight Switch Pigtail. Used on 36-921. Pg. 190

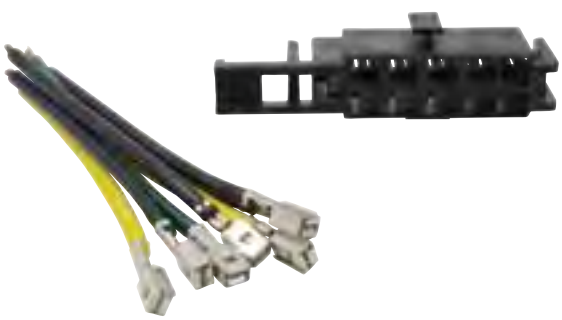


36-946 Harness for turn signal switch 36-947. Pg. 193

43-539 Pigtail for Electronic Voltage Regulator.

43-621 Repair Harness Fits 36-928, 12 leads 8" long each. Not supplied by OE. Pg. 192

43-615 Repair Harness for 36-926 (pg. 191) Neutral Safety Switch. Has 7 - 8" leads. Replaces 15305887 & PT1031



43-541 Pigtail for Ignition Switch. Fits Ford and 36-961. Pg. 192

43-618 2-Piece Repair Harness Kit w/8 leads that fits 36-933 & 36-935. (pg. 190) Used on GM switch numbers 1990105, 1990109, 1990110, 1990115, 1990116, 7909811

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TERMINALS AND SHELLS

WEATHER PACK KIT NO. 43-590 (TOTAL OF 325 PCS)

Quantities in kit and separate packages are listed for each Part Number

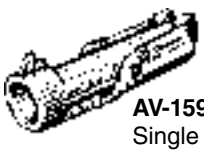
AV-14150
Tin Plated
20-18 Ga.
Mates with AV-14151
50/pkg & in kit

AV-14151
Tin Plated
20-18 Ga.
Mates with AV-14150
50/pkg & in kit

AV-15948
Tin Plated
16-14 Ga.
Mates with AV-15937
50/pkg & in kit

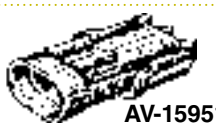
AV-15937
Tin Plated
16-14 Ga.
Mates with AV-15948
50/pkg & in kit

AV-14152
Silicone
Cable Seal
Use w/AV14150, AV14151, AV15937, AV15948
50/pkg & in kit

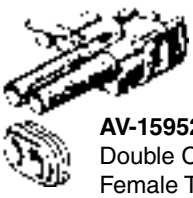


AV-15949
Single Cavity
for Male Terminal
Mates with AV-15950
25/pkg, 10/kit

AV-15950
Single Cavity
for Female Terminal
Mates with AV-15949
25/pkg, 10/kit

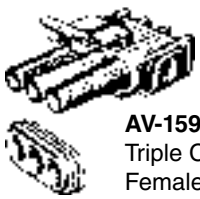


AV-15951
Double Cavity
for Male Terminal
Mates with AV-15952
25/pkg, 10/kit



AV-15952
Double Cavity for
Female Terminal
Mates with AV-15951
25/pkg, 10/kit

AV-15953
Triple Cavity for
Male Terminal
Mates with AV-15954
15/pkg, 10/kit



AV-15954
Triple Cavity for
Female Terminal
Mates with AV-15953
15/pkg, 10/kit

AV-15923
Four Cavity for Male Terminal
Connects wiring harness to Idle Control Solenoid Actuator on GM vehicles, 1985 - on
5/pkg & in kit

WPS-4
Four Cavity Shell
Mates with WPT-4
5/pkg & in kit

WPT-4
Four Cavity Male Tower
Mates with WPS-4
5/pkg & in kit

AV-15955
Cavity Plug, Used to
Plug Empty Cavities
in Connector Shell
25/pkg

AV-14153
20-18 Ga.
25 Sets of AV-14150
and AV-14152

Set of 25

AV-14154
20-18 Ga.
25 Sets of AV-14151
and AV-14152

Set of 25

WEATHER PACK TERMINAL EXTRACTOR TOOL

Part No. 98-132
Designed for extracting Weather Pack terminals from their connector housing. Slide the hollow shaft of the tool over the retention barbs of the terminal. Then pull the terminal out of its shell.

OPEN BARREL TERMINAL CRIMP TOOL

Part No. 98-144

- Five precision crimp nests
- Wire range, 24 - 14 ga.
- Hardened steel construction
- Made in U.S.A.

Duplicates factory crimps on non-insulated pin, socket, spring, box, ring and quick connect terminals.

All manufacturers' names, numbers, and descriptions are used for reference purposes only. It is not implied that any part listed is the product of the original manufacturers or approved by any of these manufacturers.

FUSE & CIRCUIT BREAKERS

MINI FUSE KIT

43-802 - 180 Piece
Contains:
20 each of 3, 4, 5, 7.5, 10, 15, 20, 25 and 30 Amp Fuses

MAXI FUSE KIT

43-832 - 24 Piece
Contains:
6 each of 30, 40, 50 and 60 Amp Fuses

ATO FUSE KIT

43-852 - 100 Piece
Contains: 10 ATO 3, 5, 7.5, 10, 25 & 25 amp and 20 ATO 20 amp.

43-855 - ATO Fuses 15 amp (100 pcs)
43-856 - ATO Fuses 20 amp (100 pcs)
43-857 - ATO Fuses 25 amp (100 pcs)

43-175
65 PC
Heat Shrink Terminal Kit

Kit Includes

5pcs	22-18 Butt
10pcs	16-14 Butt
10pcs	12-10 Butt
5pcs ea	22-18 Rings #10, 1/4", 5/16", 3/8"
5pcs ea	16-14 Rings #10, 1/4", 5/16", 3/8"
5pcs	22-18 Spades #10
5pcs	16-14 Spades #10
5pcs ea	22-18 .250 Male & Female
5pcs ea	16-14 .250 Male & Female
5pcs ea	12-10 .250 Male & Female

CYCLING CIRCUIT BREAKERS

Part No.	Amp	Part No.	Amp
43-050	5	**43-057**	30
43-053	10	**43-058**	35
43-054	15	**43-059**	40
43-055	20	**43-060**	50
43-056	25		

Stud Type – Metal with Parallel Bracket

FUSE TAP-IN

43-029
Fuse Tap-In allows installation of an extra line directly off the existing AGC® fuse.

43-028 - ATC/ATO Fuse, .250 Tap-in.

BUS BAR - POPULAR ON UTILIMASTER

43-740 - Six Gang copper bus bar

HIGH AMP CIRCUIT BREAKERS

High amp circuit breakers used in primary feeder circuits in trucks. Single pole rated up to 30 Volts/ DC in 60 Amp to 150 Amp. Panel or surface mount. Operating temperature 0° to 180°F.

PANEL MOUNT

Automatic Reset

43-860	60 Amp
43-861	100 Amp

Push to Trip Manual Reset

43-874	60 Amp
43-875	100 Amp

Manual Reset

Popular on Liftgates

48-040	120 Amp
48-042	150 Amp

SURFACE MOUNT

Automatic Reset

43-862	60 Amp
43-863	90 Amp
43-864	100 Amp
43-865	120 Amp
43-866	150 Amp

Push to Trip Manual Reset

43-876	60 Amp
43-877	90 Amp
43-878	100 Amp
43-879	120 Amp
43-880	150 Amp

Manual Reset

43-869	60 Amp
43-870	90 Amp
43-871	100 Amp
43-872	120 Amp
43-873	150 Amp

Uses a unique reset mechanism which provides a positive visible indication of a tripped condition.

FLASHERS

FL-12V	***2 Blade*** Heavy-Duty Flasher, 12 Volt, 20 Amp
44-890	***3 Blade*** Electronically controlled 12 V flasher Used with Incandescent to LED loads. External wire provides ground.
44-891	***2-Blade*** Electronically controlled 12 V flasher Used with Incandescent to LED loads. External wire provides ground.
M-50905	PL3 Connector with resistor to allow LED use standard flasher, One year warranty.
43-519	Pigtail for 3 prong flasher

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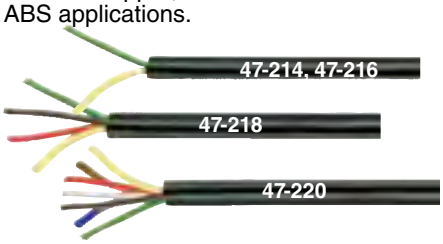
ELECTRICAL

STRANDED WIRE IN 100 FOOT ROLLS

Part No.	Gauge	Color
47-181	18	black
47-184	18	blue
47-183	18	red
47-182	18	white
47-161	16	black
47-164	16	blue
47-163	16	red
47-165	16	brown
47-141	14	black
47-144	14	blue
47-143	14	red
47-146	14	green
47-124	12	blue
47-123	12	red
47-122	12	white
47-127	12	yellow

TRAILER CABLE

Trailer cable is made with a polyvinylchloride overall jacket. The single conductors are stranded copper, and color coded. Choose 7 conductor cable for ABS applications.



47-214 - 2 Conductor Cable, 14 Ga. Green-Yellow, 100' Spool
47-216 - 2 Conductor Cable, 16 Ga. White-Black, 100' Spool
47-218 - 4 Conductor Cable,14 Ga., 100' Spool
47-220 - 7 Conductor Cable, 3 -12 Ga. 4 - 14 Ga., 100' Spool

SPLIT FLEXIBLE WIRE LOOM

Black flexible nylon wire loom, split for easy installation. 50 ft. lengths.

AV-14201	I.D. 1/4" - O.D. 3/8"
AV-14202	I.D. 3/8" - O.D. 9/16"
AV-14203	I.D. 1/2" - O.D. 11/16"
AV-14204	I.D. 3/4" - O.D. 15/16"

BATTERY CABLE

25 foot of 2 Gauge Copper stranded battery Cable. Smooth polyvinyl insulation resistant to cracking, abrasion, weather, oil and acids, built to S.A.E. Specification J-1127. 221° F.

47-230 RED 25' Coil

47-235 BLACK 25' Coil

COPPER BATTERY TERMINAL LUGS
CRIMP STYLE

Part#	Fits Wire Size	Terminal Size	Pkg
AV-12770	1/0	3/8"	5
43-771	2 Ga.	5/16"	5
43-772	2 Ga.	3/8"	5
43-773	2 Ga.	1/2"	5

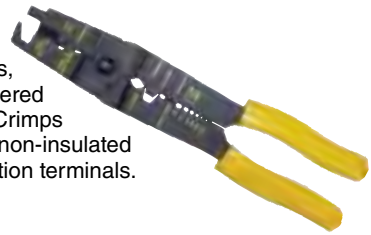
43-778 - 2 Gauge Battery Terminal, Negative
43-785 - 2 Gauge Battery Terminal, Positive

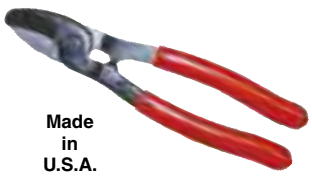
STRAIGHT BATTERY TERMINAL INSULATORS

Part No.	Gauge	Color
43-780	6-4	Red
43-782	6-4	Black
43-786	2 & 1/0	Red
43-788	2 & 1/0	Black

WIRE STRIPPERS & CABLE SHEARS

43-026 - Wire Stripper Crimping Tool. Powerful with heat treated blade and cushion grip. Cuts screws, strips and cuts wire. Also, has a tapered jaw for an easier and better crimp. Crimps both the 22-14 AWG insulated and non-insulated terminals and the 7mm & 8mm ignition terminals.





Made in U.S.A.

93126 - Copper Cable Shears. Power grip, heavy-duty wire and cable cutting shears are designed to cut all copper battery cables up to 2/0 gauge. Heat treated blades.

HEAVY DUTY CRIMPERS

98-167 - Brute Hammer Crimper. Crimps 8 thru 4/0 gauge connectors. Use with hammer or vise. Spring loaded pin locks in "up" position for loading connector and cable, when released pin holds connector securely during crimping.

98-161 - EZRed Electrical Connector Crimp Tool. Comfortable hand grips, data listed on handle and adjustable rotating color coded dies always in tool. C-UL-US listed and a 2 year limited warranty. Crimps all connectors 8 thru 4/0 gauge. 26" overall length. Made in North America

CABLE TIES & CLIPS

43-997 - 7" Nylon Cable Ties, 25 pcs
43-914 - 14" Nylon Cable Ties, 25 pcs

White, tough nylon tube clamps
43-571 - 3/8" Tube Clip, 100 pcs
43-573 - 1/2" Tube Clip, 100 pcs
43-575 - 5/8" Tube Clip, 100 pcs

AV-1341

AV-9864

Wire Loom Frame Clip - 100 pcs
AV-1341 - 1-1/8"L x1/2" W - 3/16" frame grip
AV-9864 - 1-1/2"L x 1/2" W - 1/4" frame grip

ELECTRICAL CONNECTION COMPOUND

Corrosive preventative compound for electrical contacts

97940 - 8 oz. can
97944 - 2 oz. tube

TAPE

1219-60 - Electrical Tape - 3/4" x 60 yards. Manufactured to strict specifications.

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ELECTRICAL

7-WAY FLAT PIN PLUG & SOCKET

Plastic inserts keep our dirt & moisture. Built-in safety latch prevents damage from accidental drive away.

TCMPF-7 - 7 Flat-Pin Truck-End Connector, Plastic

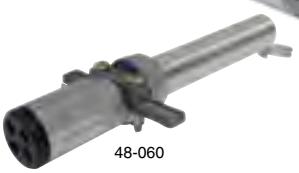
TCFPF-7 - 7 Flat-Pin Trailer-End Connector, Plastic

4 & 7 WAY PLUGS & SOCKETS

VELVAC

593022

593084


48-060

- nickel-plated zinc die cast housing
- ATA color-coded wire terminals
- Internal clamp holds cable
- Spring guard on cable

- Durable zinc die cast housing
- ABS plastic interior, color coded
- Brass pins
- Slanted door front for plug support
- Tongue and groove door design protects socket interior from dirt and moisture
- Mounting holes are 2-15/16" centers

48-060 4 Pole Plug, w/steel plated cable protector
48-061 4 Pole Socket with split pins
593022 7 Pole Plug with spring guard
593084 7 Pole Socket with split pins

7-WAY COILED CABLE ASSEMBLY

- Durable black outer jacket resists abrasion and provides excellent coil retention
- Heavy-duty zinc die cast plugs with spring guards included
- Operating temperature range of -55° to + 185°

590157 - 7 Conductor Coiled Cable Assembly. 15 ft. length

BOOT PROTECTOR & PLUG CLEANER

054017 - **Terminal Protection Boot**
Helps protect terminals from moisture and contaminants

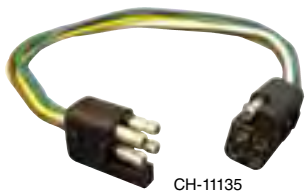
055034 - 7 Way Plug Cleaner
Rust resistant stainless steel brushes quickly clean electrical contacts for improved conductivity. A durable plastic body uses an easy hold "T" grip design handle. Brush cover included.

UNIVERSAL TRAILER CONNECTORS

- Polarized to assure proper mating of circuits
- Moulded weatherproof bodies
- Color coded 16 ga. wire, 6" long
- Conductors properly aligned and bonded in insulation

CH-11172

CH-11134


CH-11135

CH-11172 - 2 pole, weatherproof connector & wire lead assy
CH-11134 - 4 pole, weatherproof connector & wire lead assy
CH-11135 - 5 pole, weatherproof connector & wire lead assy

7-POST JUNCTION BOX ASSEMBLY

3121 - 7-Post Surface Mount Junction Box Assembly. Non-corrosive molded gray plastic box with scientifically engineered supporting ribs for extra strong construction. 'O' ring gasket and hinged cover. Mounts with 2-holes on 7-11/32" centers. Dimensions: 8"L x 4"W x 3/4"H

NEW Fast-Action, Low-Temp Silver Bearing Solder Paste

- **Works with the Head of a Match, Lighter, Soldering Iron or Torch**
- **Fives times stronger than ordinary solder.**
- **Provides strength without the distortion of high temperature brazing**

AV-20409

Silver Bearing Solder Paste for Ferrous and Non-Ferrous Metals: steel, cast iron, stainless steel, brass, bronze, nickel, platinum, chrome, galvanized, gold and silver. Used on: auto electrical systems, circuit boards, etc. Tensile strength: 10,000 to 25,000 p.s.i. - 7.1 gram syringe - Flow freely at 430°F.

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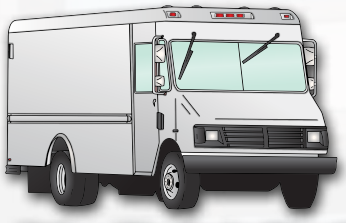
Stepvan Body Identification Guide

Grumman/Morgan Olson
Kabmaster/Kurbmaster

Grumman/Morgan Olson
Route Star

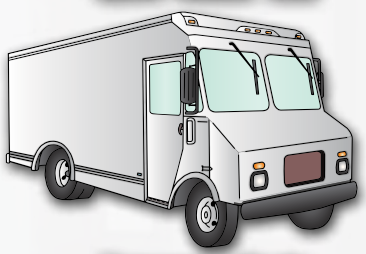
Grumman/Morgan Olson
(Fedex Ground)

Union City Body
Chevy Step Van
GMC Value Van



Union City Body Classic

Union City Body



Supreme Body

Utilimaster

Utilimaster (Fed Ex)

TIP: You know what kind of body your van has. Great! But now you need to find out what kind of chassis you have. Some common places to look are the grille & steering wheel. You will most likely have either a Chevy, GMC, Ford, Workhorse, Freightliner, or International.

The second digit of the VIN number identifies chassis type:
(G=GM, F=FORD, U=FREIGHTLINER, B=WORKHORSE, H=INTERNATIONAL)

9 REASONS TO UPGRADE TO LED

1.) More Durable. With solid-state construction there is no breaking bulbs or fragile filaments.
2.) Less EMI. Standard lights produce electromagnetic interference (EMI). LEDs will be much quieter in the EMI perspective.
3.) Lower Maintenance Cost. No bulbs, no moving parts to fail means low maintenance.
4.) Unsurpassed Energy Efficiency. LEDs use less power resulting in less battery drain.
5.) Eliminate Glare. LED create clear, high-contrast light for the best visibility
6.) Reduce Driving Fatigue. Traditional headlights have a color temperature that closely resembles sunset; our brains correlate this as time to sleep. LED headlights closely mimic the characteristics of the bright noon day sun when the body is most awake.
7.) More Environmentally Responsible. HID, halogen and incandescent lights contain hazardous waste: lead, sodium, mercury and others. LEDs do not contain any hazardous waste and are completely recyclable.
8.) Unmatched Longevity. LED lights are second to none in longevity. They out-live incumbent lighting technologies many times over.
9.) Reduce Your Downtime Costs. With LED you won't be replacing bulbs nearly as often.

See our selections of LED lights starting on page 153

BODY
CARGO CONTROL
CHASSIS
DOOR HARDWARE
ELECTRICAL
HEATER & A/C
LIFTGATE
LIGHTING
MIRROR
ROLL-UP DOOR
SEATING
WIPER

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